

# Nokia 500 Auto Navigation User Guide

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9206144

Issue 1

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Hereby, NOKIA CORPORATION declares that this PD-14 product is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

The product is in conformity with the limits defined in Directive 2004/104/EC (amending Directive 72/245/EEC), Annex I, paragraph 6.5, 6.6, 6.8 and 6.9. A copy of the Declaration of Conformity can be found at [http://www.nokia.com/phones/declaration\\_of\\_conformity/](http://www.nokia.com/phones/declaration_of_conformity/).

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## For your safety

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Read these simple guidelines. Not following them may be dangerous or illegal.  
Read the complete user guide for further information.



### ROAD SAFETY COMES FIRST

Obey all local laws. Always keep your hands free to operate the vehicle while driving. Your first consideration while driving should be road safety.



### INTERFERENCE

All wireless devices may be susceptible to interference, which could affect performance.

# 1. Introduction

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You can use the Nokia 500 Auto Navigation device for GPS navigation in a car and outdoors. You can also make calls, view photos, watch videos, and listen to music.

Read this user guide carefully before using the device. Also read the user guide for your mobile phone. It provides important safety and maintenance information.

Check [www.nokia.com/support](http://www.nokia.com/support) or your local Nokia website for the latest version of the user guide, additional information, software updates, and services related to your Nokia product.

Your device and its accessories may contain small parts. Keep all accessories and enhancements out of the reach of small children.

## ■ Bluetooth wireless technology

Bluetooth wireless technology allows you to connect compatible devices without cables. A Bluetooth connection does not require that the two devices be in line of sight, but the devices should be within 10 metres (33 feet) of each other. The connection is subject to interference from obstructions, such as walls, or other electronic devices.

The navigation device is compliant with Bluetooth Specification 2.0 supporting the following profiles: Handsfree Profile 1.5 and Phone Book Access Profile (PBAP) 1.0. Check with the manufacturers of other devices to determine their compatibility with this navigation device.

## ■ Global Positioning System (GPS)

The GPS is a worldwide satellite-based radio navigation system. The internal GPS receiver can calculate the location of the device to an accuracy of 10 metres. The accuracy depends, for example, on the number of satellites, the signals of which the GPS module receives. In optimal conditions, the accuracy may be within a few metres.

The GPS antenna is located at the top of the navigation device. Some car windscreens and windows may contain metal, that may block or weaken the satellite signals.

If you stand still, GPS cannot detect which way you are facing because it determines your direction on the basis of your movement.

Almost all digital cartography is inaccurate and incomplete to some extent. Never rely solely on the cartography provided for use with the GPS application.

The Global Positioning System (GPS) is operated by the government of the United States, which is solely responsible for its accuracy and maintenance. The accuracy of location data can be affected by adjustments to GPS satellites made by the United States government and is subject to change with the United States Department of Defense civil GPS policy and the Federal Radionavigation Plan. Accuracy can also be affected by poor satellite geometry. Availability and quality of GPS signals may be affected by your location, buildings, natural obstacles, and weather conditions. The GPS receiver should only be used outdoors to allow reception of GPS signals.

Any GPS should not be used for precise location measurement, and you should never rely solely on location data from the GPS receiver and cellular radio networks for positioning or navigation.

## DVD

The navigation device comes with a DVD. You can do the following:

- Restore data from the DVD to your memory card.
- Copy new content from the DVD to the memory card. The content can be, for example, maps, points of interest (POI) databases, and languages.
- Copy content from the DVD to another memory card.
- Read the user guide available on the DVD in several languages.

Before copying data to the memory card, check that the card is not locked. To copy content from the DVD to the memory card, ensure that the card is inserted in the navigation device, and connect the device with the supplied USB cable to your compatible PC. Alternatively, insert the memory card into the memory card reader on your PC. Insert the

DVD into the compatible DVD drive on your PC. The setup wizard starts automatically (if allowed in the settings of the DVD drive) and guides you through the setup.

If you want to change the contents of the memory card, select all the maps, POI databases, and languages that you want to add to the card. When the wizard copies these files to the memory card, the old files of the same type are deleted from the card.

The Cities folder on the memory card is needed for the use of the *Navigator* application. Do not modify or delete it manually. If needed, you can restore the folder from the DVD using the wizard.

You can only select the device language from the languages that you have chosen for *Navigator*. See also "Language," p. 22.

To copy files to the memory card from a compatible PC, see "Memory card," p. 18.

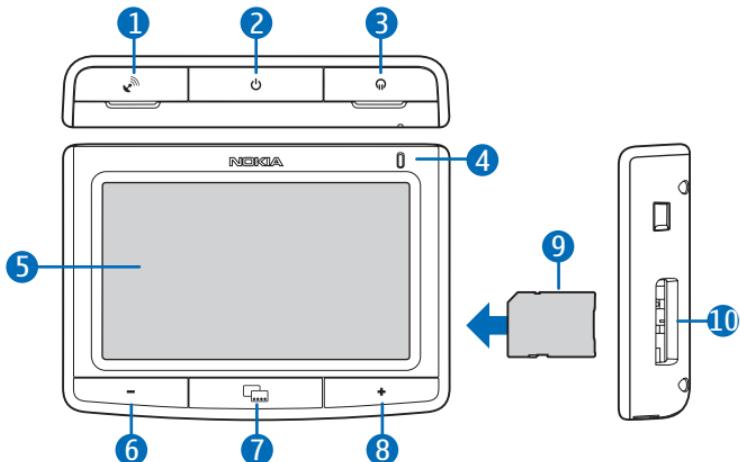
## 2. Get started

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### ■ Keys and parts

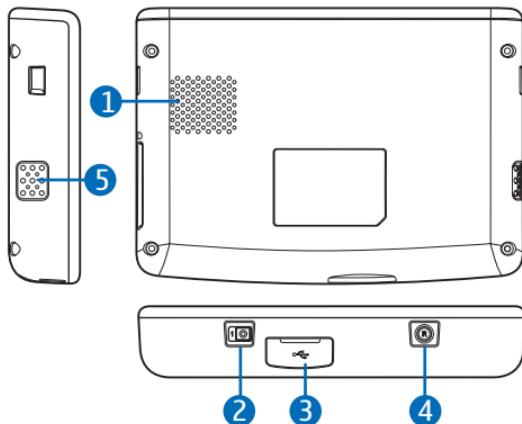
Parts of the device are magnetic. Metallic materials may be attracted to the device. Do not place credit cards or other magnetic storage media near the device, because information stored on them may be erased.

#### Front, right, and top view



1. Cover of connector for an optional external GPS antenna
2. Power key
3. Cover of stereo audio-out connector
4. Indicator light
5. Touch screen
6. Volume down key
7. Menu key
8. Volume up key
9. Memory card with adapter
10. Memory card slot

## Back, left, and base view



1. Loudspeaker
2. Main power switch
3. Mini USB port/charger connector
4. Reset key
5. Microphone

## ■ **Chargers**

This device is intended for use when supplied with power from the DC-1001 charger.



**Warning:** Use only chargers approved by Nokia for use with this particular device. The use of any other types may invalidate any approval or warranty, and may be dangerous.

When you disconnect the power cord of any enhancement, grasp and pull the plug, not the cord.

## ■ **Charge the battery**

Before charging the battery, carefully read "Battery information," p. 49.

1. Connect the charger to the mini USB port on the navigation device, and insert the charger plug into the cigarette lighter socket of your car.

Power must be supplied by the 12 V car battery. Ensure that the charger is properly inserted in the cigarette lighter socket and does not interfere with the normal operation of the car.

In some car models, the cigarette lighter socket is powered by the car battery even when you remove the ignition key. In those cases, the car battery might be discharged if the navigation device is left on, or if the device is turned off but connected to the cigarette lighter socket for a long time. Contact the vehicle manufacturer for more information.

The indicator light is orange during charging. If charging does not start, disconnect the charger, and plug it in again.

2. When the battery is fully charged, the indicator light turns green. Disconnect the charger from the cigarette lighter socket.

If you use the TMC (traffic message channel) service with the navigation device, keep the charger connected to the navigation device as the charger includes the TMC antenna.

When battery power is low, the indicator light is red, the battery icon shows one bar or no bars, and a text about low battery is displayed.

## ■ First use

To switch on the navigation device for the first time, slide the main power switch to the right.

When you are asked to calibrate the screen, tap and briefly press the displayed crosshair with your finger. Repeat this as the crosshair moves around the screen. To calibrate the screen later, see "System," p. 23.

When you are asked to select the language, tap the desired language and . The language is used for display texts and spoken navigation instructions.

Carefully read and accept the displayed safety notice, and tap the right arrow. (To hide this screen in the future, tap the related selection box.)

The *Navigator* application starts and the map view is displayed. Now you can start to use the device.

Next, set the time and date. See "Adjust device settings," p. 22.

To pair and connect the navigation device with a compatible mobile phone using Bluetooth wireless technology, see steps 2 to 5 in "Set up Bluetooth connection," p. 14.

When you are asked to download the contacts from your phone to the navigation device, tap *Yes* to start the download. If you select *No*, you cannot use the contacts saved in your phone with the navigation device. In this case, to download the contacts later, press the menu key, and tap *Phone* > *Contacts* > *Yes*.

## ■ **Switch on or off and standby mode**

The navigation device has a main power switch to turn the device on or off and a power key to set the device into the standby mode.

In daily use, use the standby mode instead of switching the device off. This way the device starts up faster.

You only need to switch off the device when you do not intend to use it for a longer time.

### **Switch on or off**

To switch on, slide the main power switch to the right.

To switch off, slide the main power switch to the left.

### **Standby mode**

To save battery power when you are not using the device, set it to the standby mode. Press and hold the power key for about 3 seconds. The screen turns off.

To exit the standby mode, press and hold the power key for about 3 seconds.

## Bluetooth connection at startup

When you switch on the device or exit the standby mode, you are asked whether you want to connect the device to the previous mobile phone.

To connect to the previous phone, tap its name. The map screen is displayed.

To connect to some other device, tap *Other*. The *Phone connections* screen is displayed. Tap the desired device and *Connect*. To download the contacts saved in the other device, tap *Yes*.

To pair with a new device, in *Phone connections*, tap *Pair new*, and proceed as instructed in steps 4 to 5 in "Set up Bluetooth connection," p 14.

## Set up Bluetooth connection

You can connect the navigation device to a compatible mobile phone using Bluetooth wireless technology.

To pair and connect the navigation device with your device, do as follows:

1. Switch on the navigation device and your mobile phone.
2. Activate the Bluetooth feature on your phone. See the user guide of your phone for instructions.
3. On the navigation device, press the menu key, and tap *Phone*.  
If the Bluetooth feature is not active in your phone, you are asked if you want to activate it. Tap *Yes*.
4. When the device asks you to start pairing from your phone, set your phone to search for Bluetooth devices, and select the navigation device (Nokia PND) from the list of found devices on your phone.
5. Enter the passcode 0000 on your phone to pair and connect the navigation device to it.

In some phones you may need to make the connection separately after pairing. See the user guide of your phone for details.

You only need to pair the navigation device with your phone once.

If the navigation device was connected to your phone, the Bluetooth name of the device is displayed. You can define the Bluetooth name in your phone. The navigation device is shown in the menu of your phone where you can view the currently paired Bluetooth devices.

You can pair the navigation device with up to eight mobile phones but connect it to only one phone at a time.

### Connect manually or change the connected device

To connect the navigation device manually to a paired phone or change the connected phone, press the menu key, and tap *Phone* > *Settings* > *Phone connections*. Tap the desired device and *Connect*.

### Connect automatically

You can set your paired phone to allow an automatic connection with the navigation device when the navigation device is switched on. To do this in Nokia devices, change your paired device settings in the Bluetooth menu.

### Delete pairings

To delete a device from the paired devices list, press the menu key, and tap *Phone* > . Tap the desired device and *Delete* > *Yes*. To delete all devices, tap *Delete all* > *Yes*.

### Disconnect a device

To disconnect a device from the navigation device, press the menu key, and tap *Phone* > . Tap the desired device and *Disconnect*.

Alternatively, you can do one of the following:

- End the connection in the Bluetooth menu of your phone.
- Turn off Bluetooth connectivity in the navigation device.
- Switch off the navigation device.

### Turn Bluetooth connectivity on or off

To turn off Bluetooth connectivity when no device is connected to the navigation device, press the menu key, and tap *Phone* > *Cancel* >  > .

To turn off Bluetooth connectivity when a device is connected to the navigation device, press the menu key, and tap **Phone** >  >  > **Yes**.

To turn on Bluetooth connectivity, press the menu key, and tap **Phone** >  >  > **Yes**.

## ■ **Install the device in a car**

To install the navigation device in a car, attach the HH-12 mounting device to the CR-91 mobile holder, attach the mounting holder to the windscreen, and place the navigation device into the mobile holder.

It is advised that you do not leave the mounting device or the mobile holder visible in the car to prevent theft when you exit the car.

### **General safety instructions**

Obey all local laws. Always keep your hands free to operate the vehicle while driving. Your first consideration while driving should be road safety. Only operate the mounting device, mobile holder, or navigation device if it is safe to do so under all driving conditions.

When you install the mounting device or mobile holder, ensure that they do not interfere with or hinder the steering or braking systems or other systems used in the operation of the vehicle (for example, airbags) or disturb your field of vision while driving.

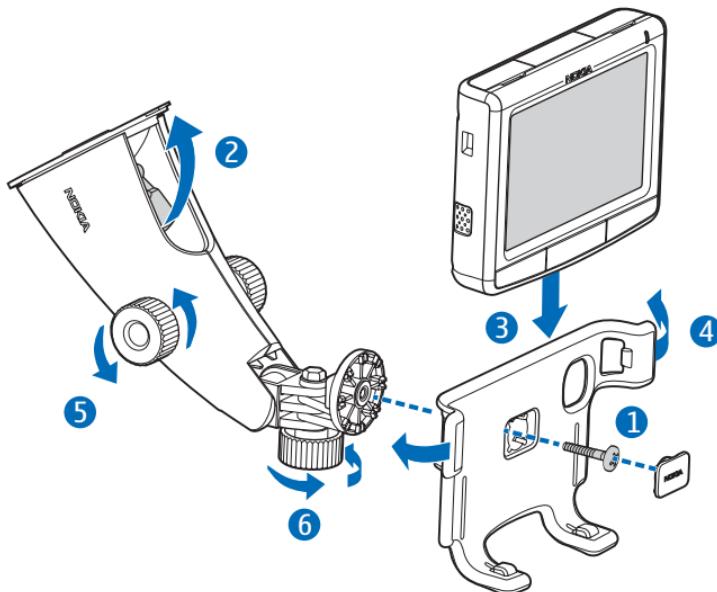
Check that the deployment of the airbag is not blocked or impaired in any way.

Ensure that the mounting device or mobile holder is not installed where you might come in contact with it in the event of an accident or collision.

Periodically check that the suction cup at the bottom of the mounting device is firmly attached to the windscreen, especially if the ambient temperature changes a lot.

Do not leave the product parts inside the vehicle in direct sunlight or in excessive heat. The product may be damaged if the operating temperature falls below -25°C (-13°F) or exceeds +55°C (131°F) or if the

storage temperature falls below  $-40^{\circ}\text{C}$  ( $-40^{\circ}\text{F}$ ) or exceeds  $+100^{\circ}\text{C}$  ( $212^{\circ}\text{F}$ ).



### Attach mobile holder to mounting device

Attach the mobile holder to the mounting device using the supplied screw (1), and snap the supplied protection plate with the "Nokia" text over the screw.

### Attach mounting device to windscreen

Locate a safe mounting surface on the windscreen, and clean the surface thoroughly with a glass cleaner and a clean towel. If the ambient temperature is low, you may need to warm the windscreen to improve the grip.

Press the suction cup firmly on the windscreen, and carefully push the locking lever above the cup toward the cup to create a vacuum between

the cup and the windscreen (2). Check that the suction cup is firmly attached.

If you want to detach the mounting device from the windscreen, carefully push the locking lever toward the top of the mounting device, and pull the strap located on the edge of the suction cup.

### **Place navigation device into holder**

To place the navigation device into the mobile holder, insert the catches at the bottom of the holder into the recesses at the bottom of the device (3).

Press the navigation device toward the back of the holder so that the catches on the two arms of the holder click into the corresponding slots at the sides of the device (4). Ensure that the screen is clearly visible for the user.

If you want to release the navigation device from the mobile holder, push the arms of the holder.

### **Set navigation device to desired position**

Do not adjust the mounting device while driving.

To set the navigation device to the desired vertical position, loosen the two screws at the sides of the mounting device, turn the navigation device to the desired position, and tighten the screws (5).

To set the navigation device to the desired horizontal position, loosen the screw below the mounting device, turn the navigation device to the desired position, and tighten the screw (6).

Ensure that the navigation device is firmly locked into place.

### **■ Memory card**

The device comes with a memory card and an adapter. You can only use memory cards formatted with the FAT or FAT32 file system with this device.

The device supports the SDHC (SD High-Capacity) standard that allows for the use of memory cards of up to 16 gigabytes.

Use only compatible SD cards approved by Nokia for use with this device. Nokia uses approved industry standards for memory cards, but some brands may not be fully compatible with this device. Incompatible cards may damage the card and the device and corrupt data stored on the card.

## Insert the card

Slide the memory card into the adapter in the direction marked on the card so that the label sides of the card and adapter point up.

Insert the memory card into the memory card slot so that the bevelled corner points to the top of the device. Carefully push the memory card into the slot until it locks into place.

To remove the memory card, switch off the device, and push the card until it pops out from the slot.



**Important:** Do not remove the memory card in the middle of an operation when the card is being accessed. Removing the card in the middle of an operation may damage the memory card as well as the device, and data stored on the card may be corrupted.

## Copy files to the card

To play music, view photos, watch videos, or use maps with the navigation device, you must copy these files to the memory card from a compatible PC. You can do this while the card is inserted in the navigation device or the PC. Before copying data to the memory card, check that the card is not locked.

The Cities folder on the memory card is needed for the use of the *Navigator* application. Do not modify or delete it manually. If needed, you can restore the folder from the supplied DVD.

To copy files to the memory card from the supplied DVD, see "DVD," p. 8.

To copy files to the memory card from a PC, do either of the following:

- To copy files to the memory card inserted in the navigation device, first check that the operating system in your PC supports USB mass storage devices. Such operating systems are, for example, Microsoft Windows 2000, Windows XP, and Windows Vista.

Plug one end of the supplied DKE-2 USB data cable to the mini USB port on the device and the other end to a compatible USB port on the PC.

The operating system detects the navigation device as a mass storage device, and *Mass storage mode* is displayed on the navigation device. Copy the files from the PC to the navigation device as instructed in the documentation of the operating system. When the navigation device is connected to the PC with the DKE-2 cable, the battery of the device is charged from the PC.

- To copy files to the memory card inserted in a PC, remove the card from the navigation device, and insert it into the memory card reader on your PC. Copy the files as instructed in the documentation of the PC and its operating system. Remove the card from the PC, and insert it into the navigation device.

### 3. Basic operation

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#### ■ Touch screen

To use most features of the device, tap the screen with your finger.



**Important:** Avoid scratching the touch screen. Never use a pen or pencil or other sharp objects to write on the touch screen.

#### ■ Open applications from map screen

When you switch on the device, the map screen is displayed. This screen shows the map view of the *Navigator* application.

The device includes the following applications:

- *Navigator* (⊕) for GPS navigation (see p. 25)
- *Phone* (☎) to make and answer calls using the mobile phone connected to the device (see p. 37)
- *Music* (🎵) to play songs saved on the memory card (see p. 42)
- *Gallery* (🖼) to view photos and watch video clips saved on the memory card (see p. 45)
- *Setup* (⚙) to adjust settings and view information about the device (see "Adjust device settings," p. 22, and "Adjust phone settings," p. 40).

To show or hide the main application menu, press the menu key. To open an application from the menu, tap its icon.

To return to *Navigator* from other applications, press the menu key.

To return to the previous screen in any application, tap ◀.

The following indicators are shown in the map screen:

- 📶 The signal strength of the GPS antenna is good.
- ✖ The signal strength of the GPS antenna is not sufficient for navigation.
- 🔋 The battery is fully charged.

-  The battery charge is low.
-  If this indicator is blue, Bluetooth connectivity is turned on but the navigation device is not connected to a compatible device. If this indicator is grey, Bluetooth connectivity is turned off.
-  The navigation device is connected to a compatible device.

## ■ **Adjust the volume**

To adjust the volume for the current application, press (or press and hold) the volume up (+) or down (-) key.

## ■ **Adjust device settings**

To adjust device settings, press the menu key, and tap *Setup*.

### Audio volume and key tones

To set the volume for navigation instructions, calls, or entertainment features (music player and video player) or to turn the key tones on or off, tap *Audio volume*. To set the volume, tap + or - in the desired field; to turn the key tones on or off, tap  and the current key tone setting. When you have made the settings, tap .

### Language

To select the language for the display texts of the device, tap *Language*. Tap  or  to scroll through the languages. Tap the desired language and .

To install a new language to the device, see "DVD," p. 8. You can only select the device language from the languages that you have chosen for *Navigator*.

### Backlight

To adjust the screen backlight or turn the energy saver on or off, tap *Backlight*.

- To set the backlight level, in *Backlight*, tap + or -.

- To set the time after which the backlight turns off if the device is not used, in *Energy saver (battery)*, tap + or -. If you select *Never*, the backlight does not automatically turn off.

## Time and date

To define the time and date settings, tap *Time & date*. Tap ▲ or ▼ to scroll through the settings.

- To set the time, tap the time in *Time*. Tap the hour, minute, or second field at the top of the displayed keypad. To enter the time, tap the digits, or tap + or -, and tap ✓ to save the setting.
- To set the date, tap the date in *Date*. Tap the year, month, or day field at the top of the keypad. To enter the date, tap the digits or + or -, and tap ✓.
- To select the time zone, tap the current setting in *Time zone*, the desired region according to your location, and ✓.
- To turn daylight saving on or off, in *Daylight saving*, tap the current setting until the desired option is displayed.
- To select the 12 or 24 hour time format, in *Time format*, tap the current setting until the desired option is displayed.
- To select the date format, in *Date format*, tap the current setting. Tap the desired format and ✓.

## System

To calibrate the screen, to restore the original settings, or to view information about the device, tap *System*.

- To calibrate the screen, for example, if it responds inaccurately, tap *Screen calibration*. Tap and briefly press the displayed crosshair. Repeat this as the crosshair moves around the screen.
- To restore the original settings, tap *Restore factory settings*.
- To view information about the device, tap *About*. Tap ▲ or ▼ to scroll through the information.

## FM transmitter

The device has an FM transmitter that you can use to listen to music from the *Music* application through your FM car radio system. The FM transmitter can also be used for phone calls. To use the FM transmitter with *Music*, see p. 42.

To define the settings for the FM transmitter, tap *FM transmitter*. You can access the settings also in the *Music* application by tapping .

- To turn the FM transmitter on or off, tap the current setting in *Activate*, and tap the current setting until the desired option is displayed.
- To save the frequencies that you want to use with the transmitter, tap the current setting in *Adjust channels*. Tap the desired memory location (channel) and . Enter the frequency using the displayed keypad, or tap + or -. Tap  to save the setting.
- To select the frequency that you want to use with the transmitter, tap the current setting in *Adjust channels* and the desired channel.

Due to legal requirements, the FM transmitter automatically turns off if there is no music or a call active for 1 minute. To use the transmitter, turn it on.

Some countries may have restrictions on the use of FM transmitters. Check with your local authorities for more information. You may also find related information at [www.nokia.com](http://www.nokia.com) or on your local Nokia website.

## **Reset**

To reset the device if it stops functioning, although it is charged, press the reset key at the base of the device. The reset does not delete the device settings.

## 4. Navigator

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The navigation device has an internal GPS receiver that you can use to detect your current position and for turn-by-turn navigation.

When you switch on the device, the map view of the *Navigator* application is displayed. To use navigation, press the menu key, and tap *Navigator*. Alternatively, tap .

The device receives signals from a number of GPS satellites to determine your current position. For GPS satellite navigation, place the device in a location with an unobstructed view to the sky.

Establishing a GPS connection may take from a couple of seconds to several minutes. The connection time depends on how well the GPS receiver can receive satellite signals. Establishing the connection takes longer if you have not used GPS for several days or are very far away from the last location you used it.

If the quality of the GPS connection is good,  is displayed. If the connection is not good enough for navigation,  is displayed; in this case, check that the device has an unobstructed view to the sky.

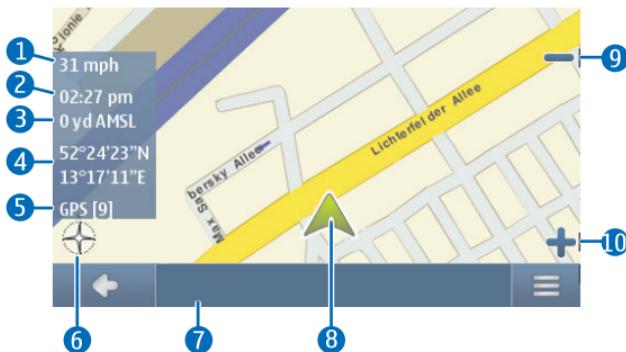
To copy navigation files to the memory card, see "DVD," p. 8. Copy all the navigation files to the Cities folder.

### ■ Map

When the device has a GPS connection, *Navigator* shows your current location on a map. The map has two modes: tracking mode and browsing mode.

## Tracking mode

In the tracking mode, the map follows your GPS position and displays the following information:

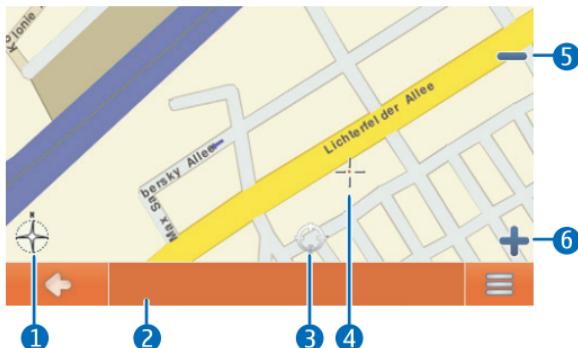


1. Current speed
2. Time
3. Elevation above mean sea level
4. Geographic coordinates
5. Number of GPS satellites to which the device is connected
6. Compass rose
7. Name of the current position
8. Current GPS position
9. Zoom out
10. Zoom in

To browse the map, tap the map to go to the browsing mode.

## Browsing mode

In the browsing mode, the bottom of the screen is orange, and north is on the top. The map displays the following information:



1. Compass rose
2. Name of the current position
3. Current GPS position
4. Cursor
5. Zoom out
6. Zoom in

To select a location on the map, zoom the map in or out if necessary, and move the map with your finger until the cursor points to the desired location. Tap  and the desired option. You can navigate to the location, add it to a route (*Via*), save it as a bookmark, or search for points of interest around it. You can also change the map settings.

To select a point of interest on the map, move the cursor over the point of interest with your finger. The icon for the point of interest is displayed within brackets, and the name and phone number of the point of interest are shown. Tap  for the available options.

To return to the tracking mode or the navigation screen, tap .

## ■ Navigate to a destination

To navigate to a destination, press the menu key, and tap *Navigator* > *Destination* and one of the following:

- *Address* – you can enter the address of the destination. See "Navigate to an address," p. 30.
- *Recent* – you can navigate to a recently visited location. See "Recent locations," p. 32.
- *Favourites* – you can navigate to a location that you have saved as a favourite. See "Favourites," p. 31.
- *Contacts* – you can navigate to an address saved with a name in your phonebook (if it contains addresses). Tap the first few letters of the desired name using the displayed keypad. A list of the first corresponding names are shown at the top. Tap ✓ or the list. Tap the desired name and *Navigate*.
- *POI search* – you can search for the desired point of interest. See "Navigate to a point of interest," p. 30.

After you have set up the destination, tap  and *Navigate*. The device calculates the route to the destination.

## Navigation screen

After the device has calculated the route to the destination, the navigation screen is displayed:



1. Next street
2. Route
3. Next turn and distance to it
4. Current speed
5. Estimated time of arrival to the destination
6. Distance to the destination
7. Average speed (if this function is set to on)
8. Compass rose
9. Current street
10. Current position and direction
11. Zoom out
12. Zoom in

When you come to a turn or other manoeuvre, you hear a related voice instruction. Turns and other manoeuvres are indicated with red arrows on the map.

For one-way streets, the allowed direction is indicated with a blue arrow.

To browse the map, tap it. To stop the navigation, tap .

## Functions available in navigation screen

To use the functions available during navigation, tap . You can do the following:

- To block the calculated route for the desired distance and force an alternative route, tap *Alt. route*.
- To view the manoeuvres along your route as a waypoint list, tap *Waylist*.
- To save your current position as a bookmark, tap *Save*. See also "Bookmarks," p. 32.
- To mute or set the volume for voice instructions, tap *Volume*.
- To view a list of relevant traffic incidents, tap *Traffic info*. See also "Traffic information (TMC)," p. 34.
- To search for a point of interest, tap *Search*. See also "Navigate to a point of interest," p. 31.
- To adjust some navigation settings, tap *Settings* (see "Navigation settings," p. 34). To switch from the map view to the icon-based view, tap *Map settings* > *Map (Arrows* is displayed). When *Arrows* is active, the navigation screen displays a big next turn icon, distance to the destination, and a progress bar that indicates the distance to the next turn.
- To turn the speed limit warner on or off, tap *Start* or *Stop*.

## Navigate to an address

To search for an address to which you want to navigate, press the menu key, and tap *Navigator* > *Destination* > *Address*. To select the country, city (or postal code), street, and house number (optional), tap the fields one by one, and enter the information in this order using the displayed keypad.

When you use the keypad, you can only tap the keys that lead to a search result; other keys are inactive. To delete the last character, tap **Clr**. You can enter characters until you have narrowed down the search to only one result, or you can tap  and the desired address on the list. To scroll through the list, tap the up or down arrow. To narrow down the search, tap .

When you have found the address, tap  in the *Find address* screen, and tap the desired option. You can navigate to the address, add it to a route (*Via*), save it as a bookmark, or view it on the map.

## **Navigate to a point of interest**

You can search for a point of interest located near the desired location.

To navigate to a point of interest, press the menu key, and tap *Navigator* > *Destination* > *POI search*. The start point (usually your current location) of the search is shown at the top of the screen. To change the start point, tap *Where?* and then *Address* to enter the address, *Favourites* to select a previously saved address, or *GPS position* to set your current location as the start point.

Tap the category and subcategory for the point of interest. Alternatively, tap , enter the name of the point of interest, and tap .

A list of found points of interest is displayed. The list is sorted by the distance to the start point. Tap the desired point of interest and option.

## **Favourites**

To navigate to or manage destinations that you have saved as favourites, press the menu key, and tap *Navigator* > *Destination* > *Favourites* and one of the following: *Home and work* (your home or work address), *Bookmarks* (previously saved addresses), or *Trips*.

### **Home and work addresses**

To define a home or work address, in *Favourites*, tap *Home and work*. Tap the desired field and option. You can enter the address, set your current position as the address, or select the address from the list of recent locations.

To edit an address, tap the address and *Edit*.

To use other available options, tap the address and the desired option. You can navigate to the address, add it to a route (*Via*), view it on the map, delete it, or delete all the addresses.

## Bookmarks

To manage the destinations that you have saved as bookmarks, in *Favourites*, tap *Bookmarks*.

Tap a destination on the bookmark list and the desired option. You can navigate to the destination, add it to a route, view it on the map, delete or rename it, or sort or clear the bookmark list.

## Trips

A trip is a list of 2 to 6 destinations (stopovers). When you select a trip for navigation, you are guided through the stopovers in the specified order. To create or manage trips, in *Favourites*, tap *Trips*.

To create a new trip, in *Manage trip*, tap *Create a new trip*. You do not need to set up a start point for the trip because the trip is started from your current GPS position.

- To add a stopover to the trip, tap  and the desired option. To add a location shown on the map, tap *Map*, zoom the map in or out if necessary, drag the map with your finger until the cursor points to the desired location, and tap . After you have added at least two stopovers, tap  and the desired option (see the option list in "Plan a route," p. 33).
- To delete a stopover from the trip, tap the stopover on the list and .
- To move a stopover on the list, tap the stopover, and tap the up or down arrow.

To edit or use a saved trip, in *Manage trip*, tap the trip, and select the desired option. You can start navigation to the first stopover of the trip, edit the trip, rename or delete the trip, or delete all the saved trips.

## Recent locations

To view recently visited locations, press the menu key, and tap *Navigator* > *Destination* > *Recent*.

To navigate to a location, add it to a route (*Via*), tap the location and the desired option.

## ■ Plan a route

You can plan your route in advance, also without GPS connection.

To plan a route, press the menu key, and tap *Navigator > Destination*.

Select the start point for the route in the same way as a destination, and add it to the route (*Via*). When you tap *Via*, *Destination list* is displayed.

To add a waypoint to the route, tap **+**, and select the location in the same way as a destination. To delete a waypoint, tap the desired location and . The start point of the route is shown at the top of the list, and the end point is shown at the bottom. To change the order of the list, tap the waypoint that you want to move and tap the up or down arrow.

After you have set up the route, tap  for the following options:

- To calculate the route, tap *Routing*. When the route is calculated, the start and end points are displayed on the map. After the calculation, a route summary with the selected waypoints is displayed, with an estimated travel time and distance for each waypoint and the entire route. To view a detailed waylist, tap the right arrow. To delete a waypoint from the waylist, tap it. To view the waypoints on the map, tap the right arrow. The route is displayed on the map, and the name of the current waypoint is displayed at the top. To move to the previous or next waypoint, tap the arrow at the left or right side of the waypoint name. To return to the previous screen, tap the left arrow.
- To view a simulation of the route on the map with voice instructions, tap *Simulate*.
- To save the waypoint list as a trip, tap *Save* or *Save as*. When you later select the trip for navigation, you are first guided to the first waypoint of the trip. If you are close to the start point and do not want to be guided to it, delete the start point before saving the trip.
- To navigate to the first waypoint of the route, tap *Navigate*.

## ■ Traffic information (TMC)

To view a list of traffic incidents along your route during navigation or in the tracking mode, tap  > *Traffic info*.. The list is sorted by the distance to your current position. The list is based on TMC (Traffic Message Channel) messages that you may receive through the internal TMC receiver from the local TMC operator. The availability and accuracy of traffic information depends on the provider of the TMC service. To use the service, keep the charger connected to the navigation device as the charger includes the TMC antenna.

The incidents on your route are displayed in red on the list. The following information can be displayed: the name of the street where the incident occurred, the incident type, and the distance of the incident place from your current position. To view the incident place on the map, tap the incident.

## ■ Navigation settings

To access the *Navigator* settings, press the menu key, and tap *Navigator* > *Settings* and one of the following: *General settings*, *Map settings*, *Route settings*, or *Volume*.

After you have selected the desired settings in a screen, tap  to save the settings.

### General settings

You can define how the device reacts to TMC messages, set the average speed for the speed limit warner, select a voice for navigation instructions (*VoiceSkin*), select the distance unit, and view the version of the *Navigator* application.

To define how the device reacts to TMC messages, tap the TMC icon until the desired option is displayed. If you select *Automatic*, the device automatically guides you to the suggested alternate route around the traffic incidents on your route. If you select *Manual*, the device alerts you about traffic incidents and asks if you want to use an alternate route. If you select *Off*, the device shows traffic information but does

not suggest an alternate route. See also "Traffic information (TMC)," p. 34.

To select a male or female voice for navigation instructions, tap *VoiceSkin* and the desired voice. (To select the language, see "Language," p. 22.) In some languages, you can select a text-to-speech skin (indicated with "TTS") that allows you to hear street names, house numbers, names of motorway exits, and city names during navigation. When you select a text-to-speech skin, voice instructions are longer.

## Map settings

To select which categories for points of interests can be displayed as icons on the map, tap *Info layers*, the desired categories, and .

To select the day or night mode or to set the device to automatically select the mode, tap the corresponding icon until the desired option is displayed. If you select *Automatic*, the mode is selected depending on the current time.

To select a map, tap *Maps*. If you have maps for several regions on your memory card, tap the name of the map that you want to use. To use the map for navigation, you need a license for it. If you do not have the license, you can browse the map, view your position on it, search for a destination (but not navigate to it), and use routing.

To use 2D or 3D effects for the map, tap the corresponding icon.

To set the map to point to the current direction (*Track up*) or to the top of the screen (*North up*), tap the corresponding icon.

## Route settings

You can select the mode of transportation or the fastest or shortest route, and allow or avoid toll roads, motorways, or ferries. To select an option, tap the corresponding icon.

The selected mode of transportation determines which types of roads the device suggests for navigation. You can select from the following modes:

- *Fast* – assumes fast driving on highways.

- *Slow* – assumes slower driving.
- *Bike* – takes into account bike paths and restricts highways where bikes are prohibited. There are no voice instructions.
- *Van* – takes into account van restrictions.
- *Motorbike* – takes into account motorbike restrictions.
- *Pedestrian* – takes into account pedestrian routing, including access to one-way streets and pedestrian zones. There are no voice instructions.
- *Scooter* – takes into account scooter restrictions.

## Volume

To select the default volume for voice instructions, tap + or -. To mute the instructions, tap . To unmute, tap .

## 5. Call handling

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If you answer a call when you use the *Navigator* application, the spoken navigation instructions are muted until you end the call. To view the map and minimise the in-call options screen, press the menu key.  is displayed in the top right corner of the screen. To open the in-call options screen, tap .

If you answer a call when you use the *Music* application, the current song is paused until you end the call. If the FM transmitter is turned on, it is also used for call audio. You can turn on the FM transmitter during or immediately before a call.

To go to *Navigator*, press the menu key. If navigation is not active, the left part of the screen shows two shortcut buttons to *Navigator*. To search for an address for navigation, tap *Go to*. To go to the map view, tap *Map*.

### Make a call

You can use the navigation device for calling if it is connected to a compatible mobile phone and no call is in progress.

#### Tap a number using dial pad

1. Press the menu key, and tap *Phone* > *Dial pad*.
2. To enter a phone number including the area code, tap the digits one by one. (To delete the last digit, tap *Clr*.)  
For international calls, tap **+** for the international prefix (the **+** character replaces the international access code), enter the country code, the area code without the leading 0, if necessary, and the phone number.
3. To call the number, tap .
4. To end the call, or to cancel the call attempt, tap .

## Call a saved contact

To call a contact that you have downloaded from your mobile phone, press the menu key, and tap *Phone* > *Contacts*.

Tap the first few letters of the desired name using the displayed keypad. (To delete the last character, tap *Clr*.) The first matching names are shown at the top. To view all the matching names, tap  or the list. If the list is long, tap  or  to enter more letters. To view the phone numbers saved with a name, tap the name. To call a phone number, tap it.

## Call register

To view the 20 most recent calls that you have missed, received, or dialled while using the navigation device with your compatible mobile phone, press the menu key, and tap *Phone* > *Call register* and the desired option. To scroll through the numbers, tap  or . To dial a number, tap it.

To call the last dialled number, press the menu key, and tap *Phone* > *Dial pad* > , or tap *Phone* > *Call register* > *Redial*.

To clear the lists of recent calls, tap press the menu key, and tap *Phone* > *Call register* > *Clear lists* > *Clear*.

The navigation device registers missed and received calls only if the network supports these functions and your phone is switched on and within the network service area.

## Voice dialling

To voice dial a number saved in the phonebook of your phone, press the menu key, and tap *Phone* > *Voice dial*. This feature can be used only if you are not in a call and if your phone supports its use with the navigation device.

Say the voice tag when you are prompted to do so. For details, see the user guide of your phone.

## Speed dialling (Favourites)

To speed dial a phone number, press the menu key, and tap *Phone* > *Favourites* when you are not in a call. To make a call, tap the desired contact.

### Assign a speed dialling number

To add a contact to the *Favourites* view, tap an unassigned button (indicated with  <assign>) and do one of the following:

- To add a contact downloaded from your mobile phone, tap the first few letters of the desired name, , and the desired name and phone number.
- To add a phone number by entering it, tap , the digits of the phone number, and .

### Manage speed dialling numbers

To delete a contact or all contacts from *Favourites*, tap  and the desired contact and delete option.

To change a contact in *Favourites*, tap , the contact that you want to change, and *Replace*. Assign a new contact.

## **Answer or reject a call**

To answer an incoming call, tap .

If you do not answer a call, view the caller's name or phone number by tapping *Show* after the call, if this is allowed by the caller. To call a number on the list, tap it.

To reject the call, tap .

## Call waiting

Call waiting is a network service. To use call waiting, your mobile phone must support the Bluetooth Hands-Free profile 1.5, and call waiting must be set to on in your phone.

To answer a waiting call and put the current call on hold, tap .

To switch between the calls, tap *Swap*. To end both calls, tap *End all calls*.

If you press the menu key to view the map and minimise the in-call options screen, the number of calls is shown beside .

### ■ In-call options

You can use some call functions during a call. The available functions are shown in an in-call options screen that is displayed when you start a call.

To minimise the in-call options screen, for example, to view the map, press the menu key during a call. To open the in-call options screen, tap .

You can use the following functions during a call:

- To mute the microphone during a call, tap *Micro off*. To unmute, tap *Micro on*.
- To switch a call from the navigation device to your compatible mobile phone, tap *To phone*. Some devices may close the Bluetooth connection until the call ends.  
To switch the call back to the navigation device, tap *To handsfree*, or use the relevant function on your phone.
- To send DTMF tones (for example, a password) during a call, tap *DTMF*. Tap the characters that you want to send as tones. This is a network service. For availability, contact your service provider.

### ■ Adjust phone settings

To adjust settings related to Bluetooth connections, contacts, or calls, press the menu key, and tap *Phone* > *Settings*. Tap  or  to scroll through the settings.

### Phone connections

To connect the navigation device to a paired mobile phone, tap the current setting in *Phone connections*. Tap the desired device, or tap *Pair new* to pair the navigation device with a new device.

## Bluetooth

To turn the Bluetooth feature on or off, in *Bluetooth*, tap the current setting until the desired option is displayed.

## Contacts download

To download contacts from the currently connected mobile phone, tap the download status in *Contacts download* and *Yes*.

The download status can be *Not done* (contacts have not been downloaded from the device), *In progress* (contacts are being downloaded), or *Finished* (contacts have been downloaded).

## Sort order of contacts

To set the sort order of contacts, in *Sort order of contacts*, tap the current setting until the desired option is displayed.

## Ringing tone

To select the ringing tone for incoming calls, in *Ringing tone*, tap the current setting. A list of available tones is displayed. Tap the desired tone and *Play* to listen to it or *Set as ringtone* to activate it.

Some mobile phones play their own ringing tone instead of the one that you select here.

## Ringing volume

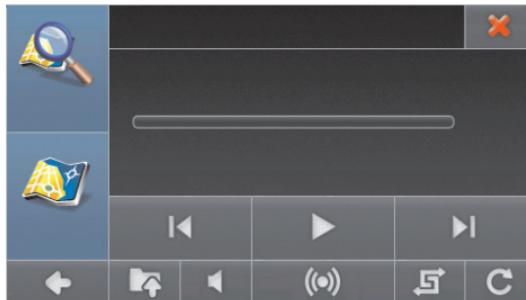
To set the volume for the ringing tone, in *Ringing volume*, tap + or -.

## 6. Music player

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To play songs that you have saved on the memory card, press the menu key, and tap *Music*.

To copy files to the memory card, see "Memory card," p. 18. To easily find the songs in the *Music* application, copy them to the Music folder.



The application supports the MP3, WMA, AAC, and eAAC+ file formats. However, the application does not necessarily support all the variations of these formats.



**Warning:** Do not hold the device near your ear when the loudspeaker is in use, because the volume may be extremely loud.

### ■ Use FM transmitter or headphones

You can listen to the music player from your car radio system or compatible headphones. To listen to music through your car radio system, use the built-in FM transmitter.

#### FM transmitter

To hear the played songs from your car radio system, tap (FM) in the player screen. If the transmitter is off, turn it on. To select the transmission channel, tap *Adjust channels* and the desired channel. Select the same FM frequency on your car radio, and set the car radio

volume to the desired level. You should hear the music from your car radio system.

The use of the FM transmitter increases the demand on battery power and reduces the battery life.

## Headphones

The navigation device has a stereo audio-out connector for compatible headphones with a 3.5-mm plug. The connector is compatible with 32-ohm or higher impedance headphones.

### ■ Listen to music

To open a music folder, tap  and the desired folder. To scroll through the songs, tap  or .

To select a song to play, tap it. You can select several songs if you want. (To deselect a song, tap it.) To select all the songs in the current folder and its subfolders, tap . (To deselect, tap .

To play the selected song or songs, tap .



**Warning:** Listen to music at a moderate level. Continuous exposure to high volume may damage your hearing.

To pause playing, tap . To resume playing, tap .

To skip to the next selected song, tap . To skip to the previous song or the beginning of the current song, tap .

To mute the music, tap . To unmute, tap , or press either volume key.

To scroll through the song, move the slider shown below the song title.

To adjust the volume, press either volume key.

To play the song continuously, tap . The icon turns green. To play the song only once, tap the same icon. The icon turns white.

To play the songs in a random order, tap . The icon turns green. To play the songs in the normal order, tap the same icon. The icon turns white.

To delete a song from the memory card, tap  in the player screen, the song that you want to delete, and .

To close the music player, tap .

## Exit to navigation screen

To go to *Navigator* while listening to music, press the menu key, or tap . The music continues to play in the background. To return to the music player, press the menu key, and tap *Music*.

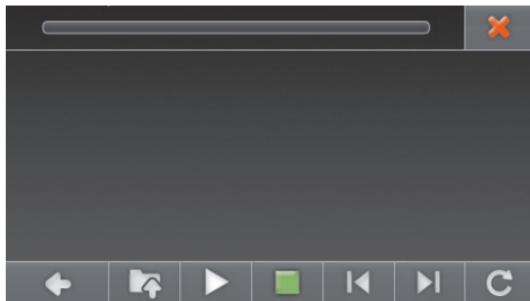
If navigation is not active, the left part of the screen shows two shortcut buttons to *Navigator*. To search for an address for navigation, tap *Go to*. To go to the map view, tap *Map*.

## 7. Video player

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To watch video clips that you have saved on the memory card, press the menu key, and tap *Gallery* > *Videos*.

To copy files to the memory card, see "Memory card," p. 18. To easily find the video clips in the *Videos* application, copy them to the Video folder.



The application supports the MPEG-4, 3GP, and WMV file formats. However, the application does not necessarily support all the variations of these formats.



**Warning:** Do not hold the device near your ear when the loudspeaker is in use, because the volume may be extremely loud.

### ■ Watch video clips

To open a video folder, tap and the desired folder. To scroll through the videos, tap or .

To select a video to watch, tap it. You can select several videos if you want. (To deselect a video, tap it.) To select all the videos in the current folder and its subfolders, tap . (To deselect, tap .) To return to the upper menu level, tap .

To watch the selected video or videos, tap .

When the video is playing, you can do the following:

- To pause playing, tap . To resume playing, tap . To stop playing, tap .
- To play the next or previous video, tap  or .
- To view the video in full screen or to return to normal view, tap the video.
- To play the video continuously, tap . The icon turns green. To play the video only once, tap the same icon. The icon turns white.

To return to the previous screen, tap .

To close the video player, tap .

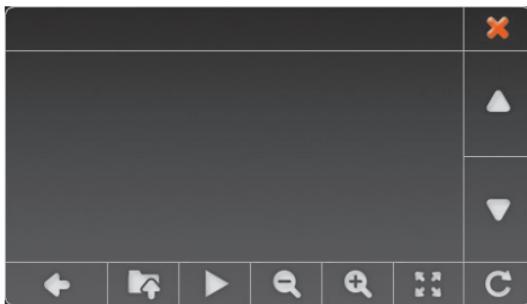
To go to *Navigator*, press the menu key.

## 8. Image viewer

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To view images that you have saved on the memory card, press the menu key, and tap *Gallery* > *Images*.

To copy files to the memory card, see "Memory card," p. 18. To easily find the images in the *Images* application, copy them to the Photos folder.



The application supports the JPEG, BMP, PNG, and GIF file formats. However, the application does not necessarily support all the variations of these formats.

### ■ View images

To open an image folder, tap and the desired folder. To scroll through the images, tap or .

To select an image to view, tap it. You can select several images if you want. (To deselect an image, tap it.). To select all the images in the current folder and its subfolders, tap . (To deselect, tap .) To return to the upper menu level, tap .

To view the selected image or images, tap .

When the image is displayed, you can do the following:

- To zoom in the image, tap . To zoom out, tap .

- To view the image in full screen, tap . Tap the left side of the image to view the previous image or the right side to view the next image.

To return to normal view, tap the middle of the image.

- To rotate the image by 90 degrees, tap .
- To view images as a slide show, select several images, and tap . To return to normal view, tap the displayed image.

To delete an image from the memory card, tap  in the image screen, the image that you want to delete, and .

To return to the previous screen, tap .

To close the image viewer, tap .

To go to *Navigator*, press the menu key.

## 9. Battery information

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This device has an internal, nonremovable, rechargeable battery. Do not attempt to remove the battery from the device as you may damage the device. The battery can be charged and discharged hundreds of times, but it will eventually wear out. Recharge your battery only with Nokia approved chargers designated for this device. Use of an unapproved charger may present a risk of fire, explosion, leakage, or other hazard.

If a battery is being used for the first time or if the battery has not been used for a prolonged period, it may be necessary to connect the charger, then disconnect and reconnect it to begin charging the battery. If the battery is completely discharged, it may take several minutes before the charging indicator appears on the display.

Unplug the charger from the electrical plug and the device when not in use. Do not leave a fully charged battery connected to a charger, since overcharging may shorten its lifetime. If left unused, a fully charged battery will lose its charge over time.

Always try to keep the battery between 15°C and 25°C (59°F and 77°F). Extreme temperatures reduce the capacity and lifetime of the battery. A device with a hot or cold battery may not work temporarily. Battery performance is particularly limited in temperatures well below freezing.

Do not dispose of batteries in a fire as they may explode. Batteries may also explode if damaged.

Never use any charger that is damaged.

# Care and maintenance

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Your device is a product of superior design and craftsmanship and should be treated with care. The following suggestions will help you protect your warranty coverage.

- Keep the device dry. Precipitation, humidity, and all types of liquids or moisture can contain minerals that will corrode electronic circuits. If your device does get wet, allow it to dry completely.
- Do not use or store the device in dusty, dirty areas. Its moving parts and electronic components can be damaged.
- Do not store the device in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the device in cold areas. When the device returns to its normal temperature, moisture can form inside the device and damage electronic circuit boards.
- Do not attempt to open the device.
- Do not drop, knock, or shake the device. Rough handling can break internal circuit boards and fine mechanics.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the device.
- Do not paint the device. Paint can clog the moving parts and prevent proper operation.
- Unauthorised modifications or attachments could damage the device and may violate regulations governing radio devices.

These suggestions apply equally to your device, battery, charger, or any enhancement. If any device is not working properly, take it to the nearest authorised service facility for service.



## Disposal

The crossed-out wheeled-bin symbol on your product, literature, or packaging reminds you that all electrical and electronic products, batteries, and accumulators must be taken to separate collection at the end of their working life. This requirement applies to the European Union and other locations where separate collection systems are available. Do not dispose of these products as unsorted municipal waste.

By returning the products to collection you help prevent uncontrolled waste disposal and promote the reuse of material resources. More detailed information

is available from the product retailer, local waste authorities, national producer responsibility organizations, or your local Nokia representative. For the product Eco-Declaration or instructions for returning your obsolete product, go to country-specific information at [www.nokia.com](http://www.nokia.com).